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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	. CONFIRMATION NO	
10/613,711	(07/03/2003	Yoshifumi Kato	5000-5109	5026	
27123	7590	07/24/2006		EXAMINER		
		EGAN, L.L.P.	VU, PHU			
3 WORLD FINANCIAL CENTER NEW YORK, NY 10281-2101				ART UNIT PAPER		
	-, -			2871		

DATE MAILED: 07/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/613,711	KATO ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Phu Vu	2871				
	· The MAILING DATE of this communication app	I * * * * * * * * * * * * * * * * * * *		ess			
Period for			on copondones addi				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
2a)⊠ ⁻ 3)□ ⁻	1) Responsive to communication(s) filed on 22 March 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositio	Disposition of Claims						
5)	Claim(s) 21-52 is/are pending in the application a) Of the above claim(s) 21-32 and 41-46 is/arc Claim(s) is/are allowed. Claim(s) 33-40 and 47-52 is/are rejected. Claim(s) is/are objected to. Claim(s) is/are subject to restriction and/or are subject to restriction and/or are specification is objected to by the Examine the drawing(s) filed on is/are: a) acceptable acceptable and request that any objection to the or applicant may not request that any objection to the or applicant may not request that any objection to the or applicant or declaration is objected to by the Examine archeology.	re withdrawn from consideration. r election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is objected to by the drawing(s)	37 CFR 1.85(a). ected to. See 37 CFR	. ,			
	nder 35 U.S.C. § 119	•					
12) ⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ⊠ All b) ☐ Some * c) ☐ None of: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notice 3) Inform	s) of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te	52)			

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DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 33-40 and 47-52 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 33-35, 38-40, 47-49 and 52 are rejected under 35 U.S.C. 103(a) as being obvious over Shirasaki 6025894.

Regarding claim 33 and 34 and 47-48, Shirasaki teaches a display with lighting system comprising: a substrate (fig. 11 element 24); a transparent electrode (19) located on the substrate; an electroluminescent layer (18) located on the transparent electrode, a reflective electrode (15) located on the electroluminescent layer, a scattering portion for scattering light, wherein the scattering portion is located between the substrate and the electroluminescent layer inclusive such that light is scattered before and after it is reflected from the reflective electrode. Shirasaki also teaches a display unit located on the lighting unit, wherein the display unit displays an image using light output from the lighting unit (see fig. 11). Shirasaki omits a passivation layer in this

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particular embodiment however discloses another embodiment including a passivation layer (see fig. 28 element 115) located on the reflective electrode that seals the electrode from air and water (see column 15 lines 39-51). Therefore, at the time of the invention, it would have been obvious to one of ordinary skill in the art to apply a passivation layer on the reflective electrode to seal the electrodes from air and moisture.

Regarding claim 35 and 49, the reference teaches scattering portion at an interface between the transparent electrode and electroluminescent layer (see fig. 11).

Regarding claim 38-39, the reference teaches the electroluminescent layer performs electroluminescence (light emission) when voltage is applied between the reflective and transmissive electrodes (see abstract). The entire electroluminescent layer is formed between the two electrodes therefore, the entire electroluminescent layer will emit light when a voltage is applied between the electrodes.

Regarding claim 40 and 52, the reference teaches the electroluminescent layer includes an organic electroluminescent material (see abstract).

Claims 36 and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shirasaki in view of Kaminsky 6636363.

Regarding claims 36 and 50, Shirasaki teaches all the limitations of claim 38 except the scattering portions being concavities and convexities. Kaminsky teaches a diffuser for backlights (see abstract) that uses a plurality of concavities and convexities (see cover fig) with improved light transmission while simultaneously diffusing specular light sources (see column 2 lines 64-68). Therefore, at the time of the invention, it would have been obvious to one of ordinary skill in the art to apply a light scattering

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portion that uses concavities and convexities in order to improve light transmission while maintaining scattering.

Claims 37 and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shirasaki in view of Yano 2001/0002153.

Regarding claims 37 and 51, Shirasaki teaches all the limitations of claim 37 except, a scattering layer wherein the scattering bodies are minute particles. Yano teaches an adhesive type diffusion layer that uses particles of varying refractive indexes that provides excellent balance between light transmittance and a diffusing characteristic providing excellent visibility when applied to LCDs [see 0006]. Yano's diffuser also acts as an adhesive. Therefore, at the time of the invention, it would have been obvious to one of ordinary skill in the art to apply a scattering body which uses minute particles for scattering to improve excellent visibility which also eliminates the need for a separate adhesive for attachment.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu Vu whose telephone number is (571)-272-1562. The examiner can normally be reached on 8AM-5PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571)-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phu Vu Examiner AU 2871

A Ju Sleets ANDREW SCHECHTER PRIMARY EXAMINER

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